



UNIVERSITY®

STUDENT ID NO

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MULTIMEDIA UNIVERSITY

FINAL EXAMINATION

TRIMESTER 1, 2016/2017

MAX2033 – VISUAL EFFECTS AND COMPOSITING
(All sections / Groups)

7 OCTOBER 2016
9.00 AM – 11.00 AM
(2 Hours)

INSTRUCTIONS TO STUDENTS

1. This Question paper consists of 3 pages.
2. Answer ALL questions.
3. Please write all your answers in the Answer Booklet provided.

Answer ALL questions.

Question 1

Special Effects are illusions or visual tricks used in the film. There are few types of Special Effects that has been used for years in the film industry. Explain in details the types of Special Effects below:

- a) Atmospheric
- b) Animatronics
- c) Prosthetics
- d) Pyrotechnics

(20 marks)

Question 2

For a century, matte painters have been an integral part of making motion picture illusions. Most of the early matte painters were skilled artists who painted on oils and canvasses. In the 1902 – 1907, Matte Painting was created using a “Glass Shot” technic.

- a) Explain in details what is the process in creating a “Glass Shot”

(10 marks)

- b) What are the advantages and disadvantages of “Glass Shot”?

(10 marks)

Question 3

- a) What is Visual Effects? Explain in detail the involvements of Visual Effects in Pre-Production, Production and Post-Production.

(10 marks)

Define the following visual effects terms in VFX Pipeline

- b) Pre-vis
- c) Element shoot
- d) Matchmove
- e) LIDAR
- f) Rotoscoping

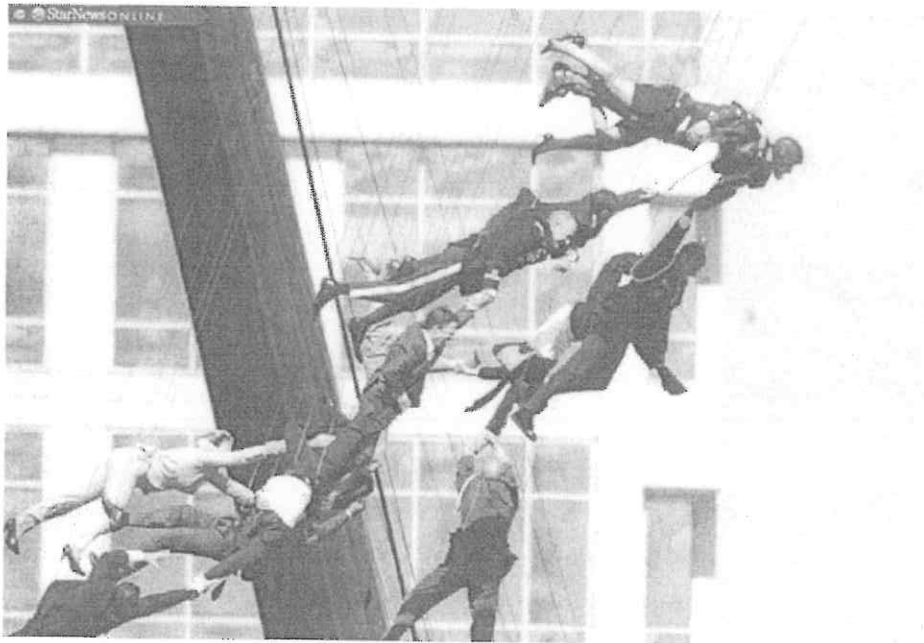
(10 marks)

Continued ...

Question 4

Once the image passes through the camera lens and is recorded, it takes on another characteristic of motion pictures: *grain*. Grain is essentially high-frequency noise readily apparent in each channel of most recorded footage.

- a) Discuss THREE situations when grain management is necessary. (10 marks)
- b) Explain in detail the steps of effective grain management strategies. (10 marks)

Question 5

BG prep is the process where the VFX artist will use multiple techniques to remove rigs, wires or unwanted object in certain shots. Picture above was taken during the shooting day for Marvel's "The Iron Man," with complex rigs and wire removals for flying sequence. Please explain on how to remove the rigs and wires in detail with step by step procedure.

(20 marks)

End of Paper